

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **SEQUENCING BY HYBRIDIZATION OF A TARGET NUCLEIC ACID TO A MATRIX OF DEFINED OLIGONUCLEOTIDES**

the specification of which ☐ is attached hereto or ☒ was filed on December 6, 1990 Application Serial No. 07/624,114 and was amended on _____ (if applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

COUNTRY	APPLICATION NUMBER	DATE OF FILING	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			Yes _____ No _____
			Yes _____ No _____

I claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

APPLICATION SERIAL NO.	DATE OF FILING	STATUS
<u>072,462</u>	<u>March 7, 1990</u>	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
<u>362,901</u>	<u>June 7, 1989</u>	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) who are partners and associates in the firm of Townsend and Townsend to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

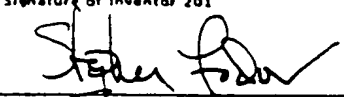
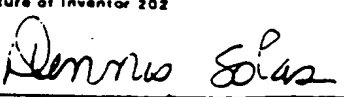
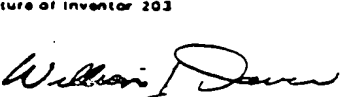
Edwin P. Ching, Reg. No. 34,090

William M. Smith, Reg. No. 30,223

SEND CORRESPONDENCE TO:	DIRECT TELEPHONE CALLS TO: (name, registration number, and telephone number)
TOWNSEND and TOWNSEND Stewart Street Tower, One Market Plaza San Francisco, CA 94105	Edwin P. Ching, Reg. No. 34,090 <input type="checkbox"/> (415) 543-9600 or <input checked="" type="checkbox"/> (415) 326-2400

201	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME or Initial
	RESIDENCE & CITIZENSHIP	CITY	State or Foreign Country	Country of Citizenship
	POST OFFICE ADDRESS	Post Office Address	City	State or Country
				Zip Code
		FODOR	STEPHEN	P.A.
		PALO ALTO	CALIFORNIA	U.S.A.
		3863 Nathan Way	Palo Alto	California
				94303
202	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME or Initial
	RESIDENCE & CITIZENSHIP	CITY	State or Foreign Country	Country of Citizenship
	POST OFFICE ADDRESS	Post Office Address	City	State or Country
				Zip Code
		SOLAS	DENNIS	W.
		SAN FRANCISCO	CALIFORNIA	U.S.A.
		50 Gardenside Dr., #13	San Francisco	California
				94131
203	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME or Initial
	RESIDENCE & CITIZENSHIP	CITY	State or Foreign Country	Country of Citizenship
	POST OFFICE ADDRESS	Post Office Address	City	State or Country
				Zip Code
		DOWER	WILLIAM	J.
		MENLO PARK	CALIFORNIA	U.S.A.
		761 Partridge Avenue	Menlo Park	California
				94025

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 201	Signature of Inventor 202	Signature of Inventor 203
		
Date	Date	Date



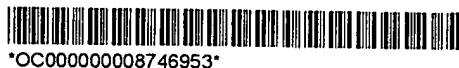
UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/776,770	02/06/2001	Martin J. Goldberg	PM 0266874 3088.2

000033522
MORGAN LEWIS & BOCKIUS LLP
1111 PENNSYLVANIA AVENUE, N.W.
WASHINGTON, DC 20004

CONFIRMATION NO. 3914



OC000000008746953

Date Mailed: 09/06/2002

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/29/2002.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

CHANTAE DESSAU
PATENT ANALYST

CHANTAE S DESSAU
1634 (703) 605-1237

RECEIVED

ATTORNEY/APPLICANT COPY

SEP 12 2002

**MORGAN, LEWIS & BOCKUS LLP

56297-5810-01
DOCKETED
By SW Date 9-12-02

PLEASE STAMP AND RETURN TO SHOW RECEIPT OF:

Application of:

Stephen P. A. FODOR *et al.*

Application No.: 10/125,460

Group Art Unit: 1634

Filed: April 19, 2002

Examiner: Unassigned

For: ***Arrays for Detecting Nucleic Acids***

1. Cover Sheet
2. Revocation of Power of Attorney and Grant of New Power
3. Change of Correspondence

Dated: **August 29, 2002**

Our Ref.: **56297-5003-18**

MST:dvb



37

950 83002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Stephen P.A. FODOR *et al.*)
) Group Art Unit: 1634
Application No.: 10/125,460)
)
Filed: April 19, 2002) Examiner: Unassigned
)
For: ARRAYS FOR DETECTING NUCLEIC ACIDS)

Commissioner for Patents
Washington, D.C. 20231

**SUBMISSION OF REVOCATION OF ORIGINAL
POWER OF ATTORNEY AND GRANT OF NEW POWER
BY ASSIGNEE(S)**

Sir:

Enclosed are the following papers for the above identified application.

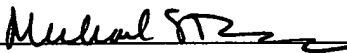
1. Revocation of Original Power of Attorney and Grant of New Power of Attorney with Rule 3.73(b) Certificate
2. Change of Correspondence Address

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLP

By:

Dated: August 29, 2002


Michael S. Tuscan
Reg. No. 43,210

Customer No. 000033522
MORGAN, LEWIS & BOCKIUS LLP
1111 Pennsylvania Avenue, NW
Washington, D.C. 20004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Stephen P.A. FODOR <i>et al.</i>)	
)	
Application No. 10/125,460)	Group Art Unit: 1634
)	
Filed: April 19, 2002)	Examiner: unassigned
)	
For: ARRAYS FOR DETECTING)	
NUCLEIC ACIDS)	

REVOCATION OF POWER OF ATTORNEY AND
GRANT OF NEW POWER OF ATTORNEY BY ASSIGNEE

Pursuant to 37 C.F.R. 1.36, Affymetrix, Inc., the Assignee of the above-identified application by an Assignment recorded with the U.S. Patent Office on **January 25, 2000** at Reel/Frame **011476/0673** in prior application 09/768,626 through its duly-appointed representative, hereby revokes all previous powers of attorney in the above application and hereby grants power of attorney to all registered practitioners included in the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to that Customer Number.

Customer Number: 000033522

Please direct all inquiries to:

Michael S. Tuscan, Esq.
Morgan, Lewis & Bockius LLP
1111 Pennsylvania Avenue, NW
Washington, D.C. 20004
202-739-3000

Respectfully submitted
AFFYMETRIX, INC.

Dated: Aug 8, 2003

By: Barbara Caulfield

Barbara Caulfield
General Counsel



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APRIL 12, 2001

PTAS

PILLSBURY MADISON & SUTRO LLP
PAUL N. KOKULIS
1100 NEW YORK AVENUE, NW
NINTH FLOOR-EAST TOWER
WASHINGTON, D.C. 20005-3918



101603708A

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/25/2001

REEL/FRAME: 011476/0543
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

AFFYMAX TECHNOLOGIES N.V.

DOC DATE: 04/18/1996

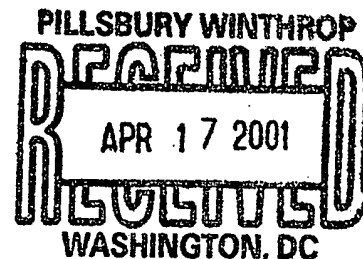
ASSIGNEE:

AFFYMETRIX INC.
3380 CENTRAL EXPRESSWAY
SANTA CLARA, CALIFORNIA 95051

SERIAL NUMBER: 09768626
PATENT NUMBER:

FILING DATE:
ISSUE DATE:

STEVEN POST, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



BOX ASSIGNMENTS

1-25-01

02-02-2001



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REC
PATEN

101603708

TO THE COMMISSIONER OF PATENTS:

SIR: PLEASE RECORD THE ATTACHED COPIES OF THE ORIGINAL CONVEYANCE.

1. NAME OF CONVEYING PARTY (ASSIGNOR):

1. Affymax Technologies N.V.

3.

5.

7.

2.

4.

6.

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

Jc796 U.S. PTO

09/768626



01/25/01

2. PARTY (ASSIGNEE) RECEIVING INTEREST:

NAME: Affymetrix Inc.

ADDRESS: 3380 Central Expressway, Santa Clara, California 95051

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

3. NATURE OF CONVEYANCE:

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)☒ ASSIGNMENT OF☒ WHOLE☐ PART INTEREST☐ ORIGINAL☒ FACSIMILE/PHOTOCOPY☐ CHANGE OF NAME☐ VERIFIED TRANSLATION☐ SECURITY ☐ MERGER☐ OTHER:

EXEC. DATE: April 18, 1996

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO. OR PAT NO. OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO 09/768626

A. PAT. APP. NO. series code/serial no.	M#	1 st INVENTOR if not in item 1	B. PATENT NO.	M#	1 st INVENTOR if not in item 1
	0266870				

5. Name & Address of Party to Whom Correspondence
Concerning Document Should be Mailed:Pillsbury Madison & Sutro LLP
Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor – East Tower
Washington, D.C. 20005-3918

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL

1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

PMS 0266870

1004-L

MATTER NO.

CLIENT REF.

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975
UNDER ORDER NO. 071180 0266870

dup. sheet not required

CLIENT NO.

MATTER NO.

9. STATEMENT AND SIGNATURE.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

10. Total number of pages including this
cover sheet, attachments and document
(do not file dup. Cover sheet)

4

for

Signature

Attorney: Paul N. Kokulis

Reg. No. 16,773

Atty: PNK/GRT

TEL: (202) 861-3503

Date: January 25, 2001

FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Agreement for Assignment of Invention Rights
from Affymax Technologies N.V. to Affymetrix, Inc.
Pursuant to Affymetrix Technology License Agreement

I. Background

1. Affymax Technologies N.V. ("ATNV") and Affymetrix, Inc. ("AMTRX") are parties to the Affymetrix Technology License Agreement Effective January 1, 1993, by and among Affymax N.V., Affymax Technologies N.V., the Affymax Research Institute, and Affymetrix, Inc. ("the Technology License Agreement").

2. Pursuant to Paragraph III.A.2 of the Technology License Agreement, AMTRX has a right to request assignment of certain patent applications and all patent rights attendant thereto for those patent applications that were assigned by AMTRX inventors and consultants to ATNV. AMTRX also has a right to require its employees and consultants to assign Future Inventions, as that term is defined in the Technology License Agreement, to AMTRX.

3. Pursuant to Paragraph IV.A.1 of the Technology License Agreement, AMTRX has a right to have assigned to it those Existing Patents for which AMTRX has taken over payment responsibility in response to ATNV's stated intention to abandon such Existing Patents.

II. Patent Properties Subject to Assignment

1. The patents and patent applications set forth in attached Schedule A are subject to assignment by ATNV pursuant to Paragraph III.A.2 or IV.A.1 of the Technology License Agreement.

2. If it is later determined that there exist additional patents or patent applications that were omitted from Schedule A but are nevertheless subject to AMTRX's right to assignment by ATNV, ATNV agrees that such patents and patent applications shall be subject to this Agreement as if they had been set forth in Schedule A.

III. Patent Assignment

1. For good and valuable consideration, receipt of which is hereby acknowledged by ATNV, ATNV agrees to assign and hereby assigns to AMTRX all right, title, and interest in and to the patent applications and patents set forth in Schedule A, and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the applications as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by AMTRX and AMTRX's successors and assigns as fully and exclusively as it

would have been held and enjoyed by ATNV had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

2. ATNV further agrees that ATNV will, without charge to AMTRX, but at AMTRX's expense, (a) cooperate with AMTRX in the prosecution of U.S. Patent applications and foreign counterparts on the inventions disclosed therein and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as AMTRX lawfully may request to obtain or maintain Letters Patent and Registrations for the inventions and improvements in any and all countries, and to vest title thereto in AMTRX, or AMTRX's successors and assigns.

IV. Assignment of Rights in Employee and Consultant Agreements

1. ATNV agrees to assign and hereby assigns to AMTRX those rights ATNV holds under agreements with AMTRX employees and consultants which agreements specify that such AMTRX employees and consultants shall assign rights in inventions or any other intellectual property to ATNV during such time that such employees or consultants were employees or consultants of AMTRX.

V. Execution by Parties

Affymax Technologies N.V.

By: Gordon Ringold
Name: Gordon Ringold
Title: CEO of ARI

Affymetrix, Inc.

By: Stephen Fodor
Name: Stephen Fodor
Title: President

DATE: 18 April 96

dc / pr
9/15/96

Attachment: Schedule A

SCHEDULE A
AFFYMAX RESEARCH INSTITUTE / AFFYMETRIX, INC.
INTELLECTUAL PROPERTY MATTERS

Client Matter	Atty.	ARI/ATX No.	Serial No.	Filed	Inventor	File Description	Related App.	Pat. No.	Issued	Status
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16528X	000530	JRS	1004A	08/168904	12/15/93	Fodor, Solas, Dower	SEQUENCING BY HYBRIDIZATION OF A TARGET NUCLEIC ACID TO A MATRIX OF DEFINED OLIGONUCLEOTIDES	FUC: 624114; CIP: 492462; CIP: 362901	O.A. mailed 10/13/95; Resp. due 01/13/96; Resp. filed 01/12/96	
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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APRIL 12, 2001

PTAS

PILLSBURY MADISON & SUTRO LLP
PAUL N. KOKULIS
1100 NEW YORK AVENUE, NW
NINTH FLOOR - EAST TOWER
WASHINGTON, DC 20005-3918



101603727A

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/25/2001

REEL/FRAME: 011476/0673
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
FODOR, STEPHEN P.A.

DOC DATE: 01/28/1991

ASSIGNOR:
SOLAS, DENNIS W.

DOC DATE: 01/24/1991

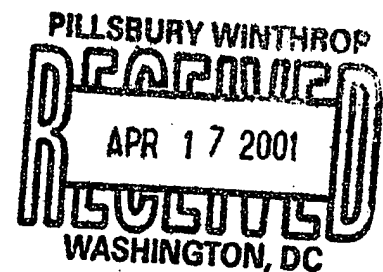
ASSIGNOR:
DOWER, WILLIAM J.

DOC DATE: 02/01/1991

ASSIGNEE:
AFFYMAX TECHNOLOGIES N.V.
DE RUYDERKADE 62
CURACO, NETHERLD ANTILLES

SERIAL NUMBER: 09768626
PATENT NUMBER:

FILING DATE:
ISSUE DATE:



011476/0673 PAGE 2

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

BOX ASSIGNMENTS

02-02-2001

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101603727

TO THE COMMISSIONER OF PATENTS:

SIR: PLEASE RECORD THE ATTACHED COPIES OF THE ORIGINAL CONVEYANCE.

1. NAME OF CONVEYING PARTIES (ASSIGNORS):

1. Stephen P.A. Fodor
3. William J. Dower
- 5.
- 7.

2. Dennis W. Solas
- 4.
- 6.
- 8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NOJc796 U.S. PTO
09/768626
01/25/01

2. PARTY (ASSIGNEE) RECEIVING INTEREST:

NAME: Affymax Technologies N.V.

ADDRESS: De Ruyderkade 62, Curacao, Netherlands Antilles

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

3. NATURE OF CONVEYANCE:

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST
☐ ORIGINAL ☒ FACSIMILE/PHOTOCOPY
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION
☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATES: January 28, 1991 (Fodor)
January 24, 1991 (Solas)
February 1, 1991 (Dower)

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO. OR PAT NO. OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.	M#	1 st INVENTOR	B. PATENT NO.	M#	1 st INVENTOR
series code/serial no		if not in item 1			if not in item 1
	0266870				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor – East Tower
Washington, D.C. 20005-3918

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

PMS 0266870

1004-L

MATTER NO.

CLIENT REF.

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

UNDER ORDER NO

071180

0266870

dup. sheet not required

CLIENT NO.

MATTER NO.

9. STATEMENT AND SIGNATURE.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

for Signature

Attorney: Paul N. Kokulis

Reg. No. 16,773

Atty: PNK/GRT

TEL: (202) 861-3503

Date: January 25, 2001

FAX: (202) 822-0944

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)

3

FILE WITH PTO RETURN RECEIPT (PAT-103A)

ASSIGNMENT OF PATENT APPLICATION

11509-30
SOLE

WHEREAS, Stephen P.A. Fodor, of 3863 Nathan Way, Palo Alto, CA 94303, along

(name and address of inventor as it appears on application Declaration)

with Dennis W. Solas, and William J. Dower,

hereinafter referred to as "Assignor", is the inventor of the invention described and set forth in the below identified application for United States Letters Patent:

Title of invention: SEQUENCING BY HYBRIDIZATION OF A TARGET NUCLEIC ACID TO A MATRIX
OF DEFINED OLIGONUCLEOTIDES

Date of execution: Jan. 28, 1991 Filing date: December 6, 1990 Serial No. 07/624,114; and

WHEREAS, APFVMAX TECHNOLOGIES N.V., a Netherlands Antilles Corporation

(name and address of Assignee)

De Ruyderkade 62

Curacao, Netherlands Antilles

hereinafter referred to as "Assignee", is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

FOR good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application, all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name this 28 day of JAN, 19 91.

Stephen P.A. Fodor
(signature of Assignor as written above)

STATE OF California)
) SS.
COUNTY OF Santa Clara)

Before me Maggie E. Winters, a Notary Public, duly commissioned and sworn, personally appeared

Stephen P. A. Fodor, personally known to me (and ~~known to me on the basis of satisfactory evidence~~) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he has executed the same.

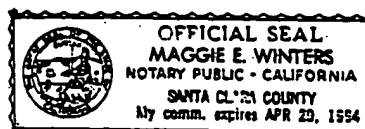
IN WITNESS WHEREOF I have hereunto set my hand and affixed my official seal in the California

County of Santa Clara on the date set forth in this certificate.

Maggie E. Winters
Notary Public

My commission expires: April 29, 1994

TOWNSEND and TOWNSEND
One Market Plaza
Steuart Street Tower, 20th Floor
San Francisco, California 94105



ASSIGNMENT OF PATENT APPLICATION

11509-30
SOLE

WHEREAS, Dennis W. Solas, of 50 Gardenside Dr., #13, San Francisco, CA 94131,
(name and address of inventor as it appears on application Declaration)
along with Stephen P.A. Fodor, and William J. Dower,

hereinafter referred to as "Assignor", is the inventor of the invention described and set forth in the below identified application for United States Letters Patent:

Title of invention: SEQUENCING BY HYBRIDIZATION OF A TARGET NUCLEIC ACID TO A MATRIX
OF DEFINED OLIGONUCLEOTIDES

Date of execution: Jan. 24, 1991 Filing date: December 6, 1990 Serial No. 07/624,114; and

WHEREAS, AFPYMAX TECHNOLOGIES N.V., a Netherlands Antilles Corporation
(name and address of Assignee)
De Ruyderakade 62

Curaco, Netherlands Antilles

hereinafter referred to as "Assignee", is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

FOR good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application, all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name this 24 day of JANUARY, 1991.

Dennis W. Solas
(signature of Assignor as written above)

STATE OF California)
) SS.
COUNTY OF Santa Clara)

Before me Maggie E. Winters, a Notary Public, duly commissioned and sworn, personally appeared Dennis W. Solas, personally known to me ~~(as the person whose name is subscribed to the within instrument, and acknowledged to me that he has executed the same.~~ to be the person whose name is subscribed to the within instrument, and acknowledged to me that he has executed the same.

IN WITNESS WHEREOF I have hereunto set my hand and affixed my official seal in the California County of Santa Clara on the date set forth in this certificate.

Maggie E. Winters
Notary Public

My commission expires: April 29, 1994

TOWNSEND and TOWNSEND
One Market Plaza
Steuart Street Tower, 20th Floor
San Francisco, California 94105



ASSIGNMENT OF PATENT APPLICATION

11509-30
SOLE

WHEREAS, William J. Dower, of 761 Partridge Ave., Menlo Park, CA 94025,
(name and address of inventor as it appears on application Declaration)
along with Stephen P.A. Fodor, and Dennis W. Solas,

hereinafter referred to as "Assignor", is the inventor of the invention described and set forth in the below identified application for United States Letters Patent:

Title of invention: SEQUENCING BY HYBRIDIZATION OF A TARGET NUCLEIC ACID TO A MATRIX
OF DEFINED OLIGONUCLEOTIDES

Date of execution: Feb. 1, 1991 Filing date: December 6, 1990 Serial No. 07/624,114; and

WHEREAS, AFFYMAX TECHNOLOGIES N.V., a Netherlands Antilles Corporation
(name and address of Assignee)
De Ruyderkade 62

Curaco, Netherlands Antilles

hereinafter referred to as "Assignee", is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

FOR good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application, all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name this 1 day of FEB, 1991.

William J. Dower
(signature of Assignor as written above)

STATE OF California)
) SS.
COUNTY OF Santa Clara)

Before me Maggie E. Winters, a Notary Public, duly commissioned and sworn, personally appeared

William J. Dower, personally known to me (~~known to me on the basis of satisfactory evidence~~) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he has executed the same.

IN WITNESS WHEREOF I have hereunto set my hand and affixed my official seal in the California

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Maggie E. Winters
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